

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A conductive composition for filling a via, based on total composition comprising:
 - a) 4.0 –12.0 wt. % organic vehicle; and
 - b) 15.0 - 30.0 wt. % silver particles; and
 - c) 66.0 - 78.0 wt. % nickel particles.
 - ~~b) 88.0 –96.0 wt. % electrically conductive particles selected from the group consisting of silver and nickel and mixtures thereof.~~
2. (canceled)
3. (original) The conductive composition according to claim 1, wherein the organic vehicle based on total composition comprises:
 - a) 2.0 – 6.0 wt. % pine oil;
 - b) 1.6 – 4.8 wt. % benzyl alcohol; and
 - c) 0.4 – 1.2 wt. % ethyl cellulose.
- 4-5. (canceled)
6. (currently amended) The conductive composition according to claim 1 ~~claim 5~~, wherein the ~~electrically conductive~~ nickel and silver particles have a spherical shape.

7. (original) The conductive composition according to claim 6, wherein the nickel particles have a diameter of 15.0 – 25.0 microns.
8. (original) The conductive composition according to claim 6, wherein the silver particles have a diameter of 1.0 – 5.0 microns.
9. (original) The conductive composition according to claim 1, wherein the conductive composition is applied to a substrate that is chosen from the group consisting of alumina ceramic and aluminum nitride.
10. (original) The conductive composition according to claim 9, wherein the conductive composition is cured at a temperature range from 800 degrees Celsius to 900 degrees Celsius.
11. (original) The conductive composition according to claim 10, wherein the conductive composition has a cure time between 5 and 30 minutes.

12. (currently amended) A conductive ~~via-fill~~ composition for providing an electrically conductive via, the composition based on total composition comprising:

~~a) 4.0 – 12.0 wt. % organic vehicle; and~~

~~b) 15.0 – 60.0 wt. % silver particles; and~~

~~c) 70.0 – 78.0 wt. % nickel particles.~~

a) 2.0 – 6.0 wt. % pine oil;

b) 1.6 – 4.8 wt. % benzyl alcohol;

c) 0.4 – 1.2 wt. % ethyl cellulose;

d) 15.0 - 30.0 wt. % silver particles; and

e) 66.0 - 78.0 wt. % nickel particles.

13. - 20. (canceled)

21. (new) An electronic package comprising:

a ceramic substrate having a top and bottom surface and at least one hole extending through the substrate between the top and bottom surfaces;

a conductive composition located in the hole, the conductive composition filling the hole without dimples or protrusions, the conductive composition comprising;

4.0 – 12.0 wt. % organic vehicle;

15.0 - 30.0 wt. % silver particles; and

66.0 - 78.0 wt. % nickel particles.

22. (new) The electronic package according to claim 21, wherein the organic vehicle based on total composition comprises:

2.0 – 6.0 wt. % pine oil;

1.6 – 4.8 wt. % benzyl alcohol; and

0.4 – 1.2 wt. % ethyl cellulose.